

Work Order ID 75096

75096

Page 1

October-17-11 1:23:41 PM

Item ID: D2932-1

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Saddle LH Out, 206

Start Date: 17/10/2011 Start Qty: 6.00

6

Cust Item ID:

Required Date: 04/11/2011 Req'd Qty: 6.00

6

Customer:

Reference:

Approvals: Process Plan: M.L.J

Date: 11/10/17

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start ***NR1***

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D2932

Rev C

100

0.00

100

HAAS CNC VERTICAL MACHINING #1

HAAS I

Memo

0.00

HAAS CNC vertical machine #1

Program part number and batch number. 1-Inspect part number and batch number are programmed correctly. 2-Machine Step No 1 of Folio and visually inspect as per dwg D2932 & attached Dimension Sheet 3-Machine Step No 2 of Folio and visually inspect as per

B.A 12/03/12

FK 12/03/13

6

110

0.00

110

CONVENTIONAL MILLING MACHINE

Mill Conv

Memo

0.00

Conventional Milling Machine

Machine Keyway and inspect per attached dimension sheet

B.A 12/03/12

FK 12/03/13

6

120

0.00

120

QC1- Inspect dimensions to dimension sheet

QC

Memo

0.00

Quality Control

B.A 12/03/12

FK 12/03/13

6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 75096

75096

Page 2

October-17-11 1:23:41 PM

Item ID: D2932-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Saddle LH Out, 206
 Start Date: 17/10/2011 Start Qty: 6.00 ***6*** Cust Item ID:
 Required Date: 04/11/2011 Req'd Qty: 6.00 ***6*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00		12-03-13					
140 *140* HandFinish Hand Finishing	Chemical Conversion Coat per QSI005 4.1 Memo	0.00 0.00							
150 *150* Powdercoat Powder Coating	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum Memo START TIME: 2h20 FINISH TIME: 2h50	0.00 0.00		ml20 272.					

6 X Ø m/p 12/03/15

6 ~~Ø~~ (2P) 12/03/15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

75096

Page 3

N900040100

Setup Start *NS1*

Stop *NS2*

6

Cust Item ID:

6

Customer:

Reference:

Run Start *NR1*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

**Insp.
Stamp**

0.00

160

QC

Memo

0.00

Quality Control

Identify as per dwg & Stock Location: 928

0.00

170

Packaging

Memo

0.00

Packaging

QC21- Final Inspection - Work Order Release

0.00

180

QC


Memo

0.00

Quality Control

6x d Me 12/03/18

(6x) Sp 12-03-16

12/3/16 

12-03-16

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

October-17-11 1:23:46 PM

Page 1

Work Order ID: 75096

75096

Parent Item: D2932-1

D2932-1

Parent Item Name: Saddle LH Out, 206

Start Date: 17/10/2011

Required Date: 04/11/2011

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP: B00.06.26New DWG rev, (mpp 2069)EC
IPP Rev:C As per Rev C 07-03-19 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D6101-003

Manufactured No

100

Each

81.0000

1

6

D6101-003

Saddle Billet, 7075

**

Location

Loc Qty

Loc Code

MAT040

68

72226

8

73775

60

MAT44

13

72226

2

73769

11

~~74650~~ → 78159 N/A
F. V.

B.A. 12/03/12

6.0

* mat not pulled, have to
adjust inventory B.A. 12/03/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order: 75096
Description: 206 Saddle, Outboard, Left side	Part Number: D2932-1
Inspection Dwg: D2932 Rev. C	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2932 Rev. C and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1	2	3	4		
A	0.100	0.140		0.119	0.119	0.119	0.119		
B	0.100	0.140		0.118	0.118	0.118	0.119		
C	0.100	0.140		0.118	0.117	0.117	0.118		
D	0.210	0.230		0.222	0.222	0.222	0.222		
E	1.245	1.255		1.250	1.250	1.250	1.250		
F	1.245	1.255		1.250	1.250	1.250	1.250		
G	2.495	2.505		2.500	2.500	2.500	2.500		
H	0.510	0.515		0.512	0.512	0.512	0.512		
I	1.572	1.582		1.577	1.577	1.577	1.577		
J	2.495	2.505		2.500	2.500	2.500	2.500		
K	0.257	0.262		0.260	0.260	0.260	0.260		
L	0.312	0.317		0.314	0.314	0.314	0.314		
M	0.235	0.240		0.237	0.237	0.237	0.237		
N	0.100	0.140		0.123	0.123	0.124	0.123		
O	0.540	0.560		0.550	0.550	0.550	0.550		
P	0.490	0.510		0.500	0.500	0.500	0.500		
Q	3.715	3.725		3.720	3.720	3.720	3.720		
R	2.470	2.510		2.490	2.490	2.490	2.490		
S	0.240	0.270		0.253	0.250	0.253	0.252		
T	0.100	0.180		0.135	0.135	0.135	0.135		
U	1.625	1.635		1.630	1.630	1.630	1.630		
V	1.362	1.372		1.367	1.367	1.367	1.367		
W	0.316	0.321		0.316	0.316	0.316	0.316		
X	1.125	1.145		1.135	1.135	1.135	1.135		
Y	1.565	1.585		1.574	1.574	1.575	1.575		
Z	0.178	0.198		0.188	0.188	0.188	0.188		
AA									
AB									
AC									
AD									
AE									
AF									
AG									
AH									
Accept/Reject									

Measured by: <u>B.D. / I.K.</u>
Date: <u>12/2/12 / 12/03/13</u>

Audited by: <u>SL</u>
Date: <u>12-03-13</u>

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.12.12	Re-format; Added Dim. X-Y, DT8683, DT8686, DT8690	KJ/RF	
C	07.03.21	Revised per drawing revision C	KJ/JLM	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order: 75096
Description: 206 Saddle, Outboard, Left side		Part Number: D2932-1
Inspection Dwg: D2932 Rev. C		Page 1 of 1

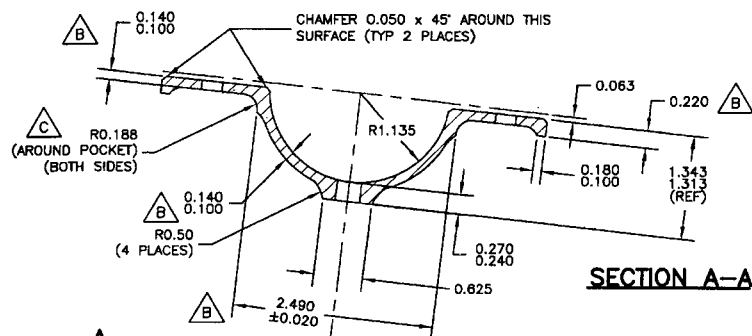
Inspect dimensions highlighted on inspection sheet drawing D2932 Rev. C and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				5 X	6 X	3	4		
A	0.100	0.140		.119	.119				
B	0.100	0.140		.119	.119				
C	0.100	0.140		.118	.118				
D	0.210	0.230		.223	.223				
E	1.245	1.255		1.250	1.250				
F	1.245	1.255		1.250	1.250				
G	2.495	2.505		2.500	2.500				
H	0.510	0.515		.512	.512				
I	1.572	1.582		1.577	1.577				
J	2.495	2.505		2.500	2.500				
K	0.257	0.262		.260	.260				
L	0.312	0.317		.314	.314				
M	0.235	0.240		.237	.237				
N	0.100	0.140		.123	.123				
O	0.540	0.560		.549	.549				
P	0.490	0.510	.500	.500	.500				
Q	3.715	3.725		3.720	3.720				
R	2.470	2.510		2.490	2.490				
S	0.240	0.270		.252	.253				
T	0.100	0.180		.135	.135				
U	1.625	1.635		1.630	1.630				
V	1.362	1.372		1.367	1.367				
W	0.316	0.321		.316	.316				
X	1.125	1.145		1.135	1.135				
Y	1.565	1.585		1.574	1.575				
Z	0.178	0.198							
AA									
AB									
AC									
AD									
AE									
AF									
AG									
AH									
Accept/Reject									

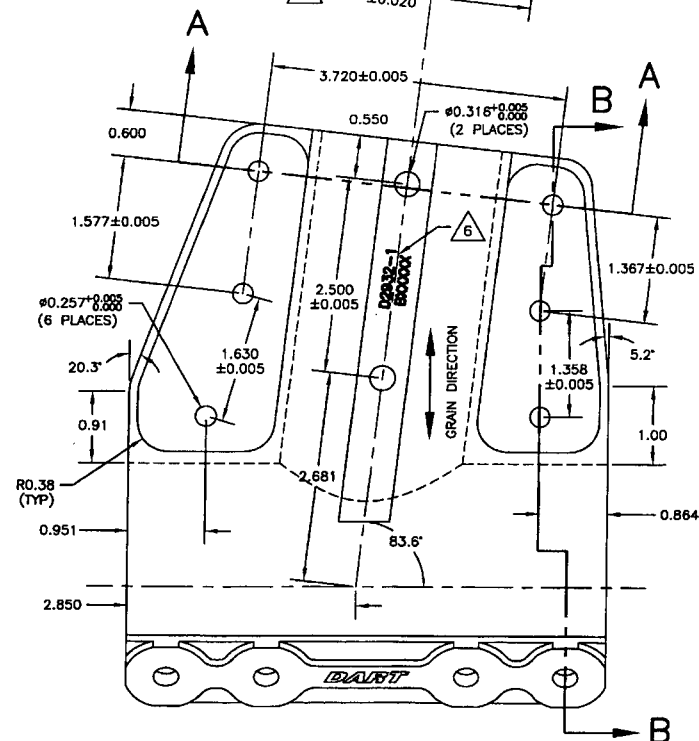
Measured by:	FK.
Date:	12/03/13.

Audited by:	JL
Date:	12-03-13

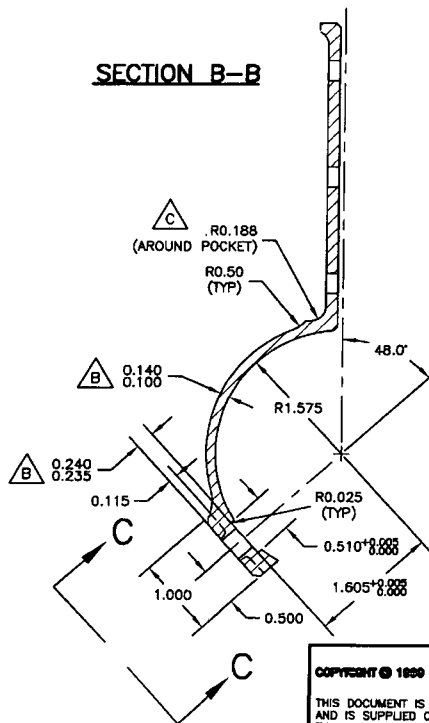
Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.12.12	Re-format; Added Dim. X-Y, DT8683, DT8686, DT8690	KJ/RF	
C	07.03.21	Revised per drawing revision C	KJ/JLM	



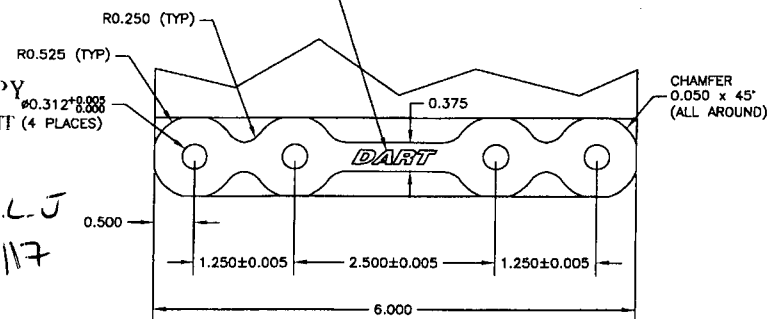
SECTION A-A



SECTION B-B



ENGRAVE DART LOGO TO MAX DEPTH OF 0.005 WITH MIN RAD 0.250



VIEW C-C

D2932-1 LH SADDLE (SHOWN)
D2932-2 RH SADDLE (OPPOSITE)

NOTES:

- 1) MATERIAL: ALUMINUM 7075-T7351 (QQ-A-250/12) (MAKE FROM D6101-003 SADDLE BILLET, 7075)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
- 3) BREAK ALL SHARP EDGES 0.010 TO 0.020
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) ENGRAVE PART AND BATCH NUMBER IN THIS AREA 0.010 TO 0.015 DEEP

C	06.11.09	R0.188 WAS R0.30 TO R0.25
B	00.05.29	CHANGED GEOMETRY AND MATERIAL
A	99.10.29	NEW ISSUE
DESIGN	PH	DRAWN BY CB
CHECKED	PH	APPROVED
DATE	06.11.09	TITLE SADDLE OUTSIDE
		DART DART AEROSPACE USA, INC. BELLEVUE, WA
		DRAWING NO. D2932
		REV. C
		SHEET 1 OF 1
		SCALE 2:3

COPYRIGHT © 1990 BY DART AEROSPACE USA, INC.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

RELEASED
07-02-12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries